

City of Milwaukee Health Department | Microbiology Division

Monthly Report

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MICROBIOLOGY REPORT: The November 2005 issue of Microbiology Monthly Report, Volume 10, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during October 2005 and new cases of syphilis in Milwaukee during September 2005. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during September is also included.

Legionnaires Disease (October 2005)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
67	F	+	ND	ND

ND = Not done.

Pertussis (Whooping cough) October 2005

No positive case detected.

Syphilis (October 2005)

Test	Number Positive	Test	Number Positive
RPR	2	FTA-ABS	21
VDRL	60	DARK FIELD	0

New Cases Syphilis

The Wisconsin Division of Health has reported 3 new cases (early stages) of syphilis during September 2005 in Milwaukee. The median age of early syphilis cases is 29.0 years (range: 16-47 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (September 2005 and September 2004)

Stage	Number of Cases	
	September 2005	September 2004
Primary syphilis	0	0
Secondary syphilis	0	1
Early latent	3	0
Late latent	0	2
Total	3	3

Gonorrhea (October 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
58	1(R)	0	0	2(DS)

Gonorrhea from Other Sources (Aurora Consolidated Labs) October 2005

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
7	0	0	0	0

Isolates Other Than *N. gonorrhoeae* (October 2005)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	32	<i>Mycoplasma hominis</i>	Genital	7

Parasitic Enteric Pathogens (October 2005)

Age	Sex	Pathogen	Number Cases
4	F	<i>Giardia lamblia</i>	1
3	F	<i>Giardia lamblia</i>	1
8	M	<i>Giardia lamblia</i>	1
		<i>Cryptosporidium sp</i>	
28	F	<i>Entamoeba coli</i>	1
10	M	<i>Chilomastix mesnili</i>	1
39	F	<i>Blastocystis hominis</i>	1
29mo	M	<i>Giardia lamblia</i>	1
10	F	<i>Giardia lamblia</i>	1
16	M	<i>Giardia lamblia</i>	1
18	F	<i>Iodamoeba buetschlii</i>	1
14	F	<i>Blastocystis hominis</i>	1
15	F	<i>Giardia lamblia</i>	1
16	M	<i>Giardia lamblia</i>	1
12	F	<i>Giardia lamblia</i>	1
		<i>Entamoeba coli</i>	
4	F	<i>Giardia lamblia</i>	1
		<i>Entamoeba coli</i>	
		<i>Blastocystis hominis</i>	
9	F	<i>Entamoeba coli</i>	1
13	M	<i>Entamoeba coli</i>	1
19mo	M	<i>Giardia lamblia</i>	1
15	M	<i>Giardia lamblia</i>	1
70	F	<i>Giardia lamblia</i>	1
35	M	<i>Blastocystis hominis</i>	
21	M	<i>Iodamoeba buetschlii</i>	1

Mycobacterial infections (October 2005)

Age	Sex	Test Results			Identification
		Sputum Smear	Culture	DNA Probe	
24	M	+	+	+	<i>M. kansasi</i>
47	M	+	+	+	<i>M. avium</i> complex
21	F	+	+	+	<i>M. avium</i> complex
39	M	-	+	+	<i>M. avium</i> complex
30	M	-	+	-	<i>M. fortuitum</i> complex

Reference Cultures (October 2005)

Age	Sex	Site/Specimen Source	Culture Identification
7	M	Blood	<i>Neisseria mucosa</i>
81	F	Blood	<i>Corynebacterium sp</i>
71	F	Stool	<i>Escherichia coli</i>
66	F	Blood	<i>Corynebacterium sp</i>
79	F	Unknown	<i>Rhodococcus sp</i>
79	F	Blood	<i>Bacillus sp NOT B. anthracis</i>
90	M	Urine	<i>Pantoea sp</i>
17	F	Urine	<i>Escherichia coli</i>
82	F	Urine	<i>Escherichia coli</i>

Bacterial Enteric Pathogens (October 2005)

Age	Sex	Pathogen	Age	Sex	Pathogen
34	M	<i>Shigella boydii</i> C4	57	M	<i>Salmonella enteritidis</i>
41	M	<i>Shigella sonnei</i>	75	F	<i>Salmonella enteritidis</i>
27mo	M	<i>Shigella sonnei</i>	27	F	<i>Salmonella typhimurium</i>
29mo	M	<i>Shigella sonnei</i>	43	F	<i>Salmonella typhimurium</i>
28mo	F	<i>Shigella flexneri</i> B3	93	F	<i>Salmonella typhimurium</i>
6	M	<i>Shigella sonnei</i>	89	F	<i>Salmonella typhimurium</i>
22	F	<i>Shigella sonnei</i>	9mo	M	<i>Salmonella typhimurium</i>
54	F	<i>Shigella sonnei</i>	31	F	<i>Salmonella typhimurium</i>
			46	M	<i>Salmonella ohio</i>
			9	F	<i>Salmonella minnesota</i>
			82	M	<i>Salmonella anatum</i>
			25	F	<i>Salmonella saintpaul</i>
			25	M	<i>Salmonella java</i>